

Work Order ID 147349

Wednesday, June 08, 2016 2:57:24 PM

147349

Page 1

Item ID: K642-512 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Saddle
Start Date: 6/1/2016 Start Qty: 2.00 ***2*** Cust Item ID:
Required Date: 6/8/2016 Req'd Qty: 2.00 ***2*** Customer:
Reference:

Approvals: Process Plan: MLJ Date: JUN 10 2016 Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
IIN-D206-642	P <u>Q</u> <u>M</u>								
100	Document Control	0.00							
100	DOCUMENT CONTROL								
DC	Memo	0.00							
Doc.Control -USB or Paperwork	Create White labels per PPP K642-512 CHG005								
110	Pick Kit	0.00							
110									
Packaging	Memo	0.00							
Packaging									
120	QC4- 100% Inspect kits for completeness	0.00							
120									
QC	Memo	0.01							
Quality Control									

X2
DAS
27
9-89

AUG 09 2016

(2) PC
DAS
28
9-89

X2
DAS
27
9-89

AUG 11 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
								Completed By	
								Lead hand / Supervisor Approval Verification	
						QC / QA Coordinator Approval			

Root Cause		FAULT CATEGORY					
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐	OTHER : _____	

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Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Packaging	0.00							
130									
Packaging	Memo	0.00							
Packaging	Identify and pack for shipping as per PPP K642-512 Location: _____								
		<i>fs 129</i>							
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.03							
Quality Control									

X DAS 27 9-89
AUG 12 2016

DAS 21 9-89
AUG 15 2016

DAS 21 9-89
AUG 15 2016

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

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Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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		OTHER : _____																							

Picklist Print

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Page 1

Work Order ID: 147349

147349

Parent Item: K642-512

K642-512

Parent Item Name: Saddle

Start Date: 6/1/2016

Required Date: 6/8/2016

Start Qty: 2.00

Required Qty: 2.00

Comments: IPP Rev:A 05.06.07 new issue EC
IPP Rev.B 05.02.08, Per ECN1080P

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
AN5C34A *AN5C34A* Bolt		Purchased	No			110	Each	104.0000	2	4			

**

PC DAS 28 9-89

2x m/30 033

Location	Loc Qty	Loc Code
FG	2	
18918	2	
over004	88	
m131855	8	
m131856	8	
m132169	8	
m132381	8	
m132522	8	
m132674	8	
m133332	8	
m133917	8	
m133920	8	
m133921	8	
m134131	8	
ST336	14	
m130033	14	

DAS 27 9-89

D206-648-013

Manufactured No

D206-648-013

Ground Handling Wheel Modification

**

PC DAS 28 9-89

Location	Loc Qty	Loc Code
ST636	9	
135552	1	
145927	4	
145928	4	

DAS 27 9-89

AUG 09 2016

2

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

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Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐ Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐		AGAINST DEPARTMENT/PROCESS				
Date :		Step #:		QTY Effective :		MRB (QSI042) Approval		
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Parent Item: K642-512

K642-512

Parent Item Name: Saddle

Start Date: 6/1/2016

Required Date: 6/8/2016

Start Qty: 2.00

Required Qty: 2.00

D2932-2
D2932-2
Saddle RH Out, 206

Manufactured No

110 Each

8.0000

1 2
**

PC DAS 28 9-89

DAS 27 9-89
D2933-2
D2933-2
Saddle RH In, 206

Manufactured No

110 Each

13.0000

1 2
**

PC DAS 28 9-89

DAS 27 9-89
D2938-2
D2938-2
Saddle RH Out, 206

Manufactured No

110 Each

8.0000

1 2
**

PC DAS 28 9-89

DAS 27 9-89
D2939-2
D2939-2
Saddle RH In, 206

Manufactured No

110 Each

10.0000

1 2
**

PC DAS 28 9-89

Location

ST396

142271

Loc Qty

8

8

Loc Code

Location

ST396

144735

145418

Loc Qty

13

9

4

Loc Code

Location

ST395

143623

146105

Loc Qty

8

4

4

Loc Code

Location

ST395

141414

145435

Loc Qty

10

6

4

Loc Code

AUG 09 2016

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OTHER :																									

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Work Order ID: 147349

Parent Item: K642-512

Parent Item Name: Saddle

147349

K642-512

Start Date: 6/1/2016

Required Date: 6/8/2016

Start Qty: 2.00

Required Qty: 2.00

AN3C41A

Purchased

No

110

Each

306.0000

AN3C41A

Bolt

** 8 16 X M1316S1 PC DAS 28 9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

FG

10

122843

5

124975

1

m130081

4

OVER002

225

m132169

75

m132381

75

m132522

75

ST347

71

131651

71

D2652

Manufactured

No

110

Each

335.0000

D2652

Bushing

** 16 32 X B145 959 PC DAS 28 9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

FG

45

31985

45

ST009

290

145958

290

AUG 09 2016

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

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Misidentified ☐	Past Due ☐																																																																

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Page 4

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Parent Item: K642-512

Parent Item Name: Saddle

147349

K642-512

Start Date: 6/1/2016

Required Date: 6/8/2016

Start Qty: 2.00

Required Qty: 2.00

MS21043-3

Purchased

No

110

Each

1,052.000

20

40

MS21043-3

Nut

DAS
27
9-89

Location

Loc Qty

Loc Code

FG	80	
103691	80	
FP001	11	
m130673	11	
GA	331	
m133990	331	
OVER007	400	
m134861	400	
ST302	124	
m134502	124	
ST304	106	
m131340	106	

**

M135058 PC DAS 28 9-89

D3672-7

Manufactured

No

110

Each

790.0000

24

48

D3672-7

Washer, Phenolic

DAS
27
9-89

Location

Loc Qty

Loc Code

FG	40	
129987	25	
133986	15	
ST049	250	
134786	250	
ST051A	500	
142572	500	

**

PC DAS 28 9-89

AUG 09 2016

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Parent Item Name: Saddle

Start Date: 6/1/2016

Required Date: 6/8/2016

Start Qty: 2.00

Required Qty: 2.00

AN5C11A

Purchased

No

110

Each

76.0000

8

16

AN5C11A

Bolt

**

PC DAS 28 9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

FG

4

103715

4

ST338

72

M131305

22

M131624

50

16

AN5C12A

Purchased

No

110

Each

63.0000

4

8

AN5C12A

BOLT

**

PC DAS 28 9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

FG

2

18918

2

ST338

61

M129245

61

8

AN5C13A

Purchased

No

110

Each

67.0000

4

8

AN5C13A

BOLT

**

PC DAS 28 9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST338

67

M130466

67

8

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width: 100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td style="border: none;"></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐																						
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐																						
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐																						
Large Fab ☐	Composite ☐	Supplier ☐																							
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																		
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval																	
Root Cause		FAULT CATEGORY																							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐				Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐				Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐				Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐											
		OTHER : ☐																							

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Work Order ID: 147349

147349

Parent Item: K642-512

K642-512

Parent Item Name: Saddle

Start Date: 6/1/2016

Required Date: 6/8/2016

Start Qty: 2:00

Required Qty: 2.00

NAS1149C0532R

Purchased

No

110

Each

345.0000

NAS1149C0532R

WASHER

DAS

27

9-89

Location

Loc Qty

Loc Code

GA

60

116513

60

ST266

285

m133031

85

m134756

200

**

8

16

X M 135056 PC

DAS

28

9-89

AN4C6A

Purchased

No

110

Each

359.0000

AN4C6A

Bolt

DAS

27

9-89

Location

Loc Qty

Loc Code

FG

14

103344

4

121657

10

OVER002

150

m134861

150

ST345

195

m134502

195

**

12

24

X M 134 955 PC

DAS

28

9-89

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DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
								Completed By	
								Lead hand / Supervisor Approval Verification	
						QC / QA Coordinator Approval			

Root Cause			FAULT CATEGORY							
Environment ☐	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐	Power Loss/Surge	☐	Positioned Wrong ☒
Design ☐	☐	Operator	☐	Bending	☐	Set-up	☐	Folio/Program	☐	Outside Dimensions
Doc/Data ☐	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐	Grain	☐	Over/Under tolerance
Equip/Tooling ☐	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐	Weld	☐	Part Incorrect
Handling/Pre ☐	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐	Wrong Stock Pulled	☐	Part Lost/Missing
Material ☐	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐	Out of Sequence	☐	Part Moved
Internal Transport ☐	☐	Poor Information	☐	Crushing	☐	Countersink	☐	Off-set	☐	Drawing
Tribal Knowledge ☐	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐	Mislabeled	☐	Finish
LOA ☐	☐	Product Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐	Fit/Function	☐	Misread
Substation ☐	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐	Misaligned/off center	☐	Turning Sequence
Past Expiry Date ☐	☐	Manufacturing Process	OTHER :							
Misidentified ☐	☐	Past Due								

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Work Order ID: 147349

147349

Parent Item: K642-512

K642-512

Parent Item Name: Saddle

Start Date: 6/1/2016

Required Date: 6/8/2016

Start Qty: 2.00

Required Qty: 2.00

D3672-3

Manufactured No

110

Each

1,305.000

24

48

D3672-3

Washer, Phenolic

**

PC DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

FG	100	
133083	52	
134449	48	
FP001	213	
132639	213	
ST049	492	
139583	40	
142571	452	
ST051A	500	
146277	500	

NAS1149C0432R

Purchased

No

110

Each

1,357.000

24

48

NAS1149C0432R

WASHER

**

X M135297 PC DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

GA	1272	
m125807	427	
m134676	845	
ST266	85	
m134073	85	

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DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐	OTHER : _____			

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Work Order ID: 147349

147349

Parent Item: K642-512

K642-512

Parent Item Name: Saddle

Start Date: 6/1/2016

Required Date: 6/8/2016

Start Qty: 2.00

Required Qty: 2.00

MS21043-4

Purchased

No

110

Each

1,202.000

13

26

MS21043-4

Nut

DAS
27
9-89

Location

Loc Qty

Loc Code

FG

40

104603

40

GA

17

m132803

17

OVER007

300

m134502

300

ST302

845

m133769

12

m134249

6

m134634

227

m134754

300

m134943

300

**

PC
DAS
28
9-89

D3407-043

Manufactured

No

110

Each

5.0000

1

D3407-043

Tow Ring

DAS
27
9-89

Location

Loc Qty

Loc Code

st530

5

136685

5

**

26
②
XB146014 PC
DAS
28
9-89

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : _____					

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Work Order ID: 147349

147349

Parent Item: K642-512

K642-512

Parent Item Name: Saddle

Start Date: 6/1/2016

Required Date: 6/8/2016

Start Qty: 2.00

Required Qty: 2.00

D3456-1

Manufactured No

110

Each

110.0000

D3456-1

Washer

DAS
27
9-89

Location

Loc Qty

Loc Code

FG

7

25701

7

ST038

28

141989

28

ST038A

75

144158

50

147066

25

**

(2)
X BM7799 PC DAS
28
9-89

D3457-1

Manufactured No

110

Each

24.0000

D3457-1

Washer

DAS
27
9-89

Location

Loc Qty

Loc Code

FG

10

32409

10

ST037

8

127393

8

ST038

6

138904

6

**

(4)
X B145625 PC DAS
28
9-89

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DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

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Work Order ID: 147349

147349

Parent Item: K642-512

K642-512

Parent Item Name: Saddle

Start Date: 6/1/2016

Required Date: 6/8/2016

Start Qty: 2.00

Required Qty: 2.00

D2712
D2712
Set Screw

Manufactured No 110 Each 249.0000 10 20

**

PC

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

FG

55

29962

55

ST009

94

140532

84

89929

10

ST012a

100

141690

100

D2934
D2934
Saddle Spacer

Manufactured No 110 Each 28.0000 2 20

**

20

X B147488

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

FG

6

31929

6

ST014

22

141428

22

D2935
D2935
Saddle Spacer

Manufactured No 110 Each 8.0000 2 20

**

20

X B146008

AUG 09 2016

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

FG

6

31793

6

ST014

2

141082

2

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date: _____		Step #: _____		QTY Effective: _____			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

Picklist Print

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Work Order ID: 147349

147349

Parent Item: K642-512

K642-512

Parent Item Name: Saddle

Start Date: 6/1/2016

Required Date: 6/8/2016

Start Qty: 2.00

Required Qty: 2.00

AN3C36A

Purchased

No

110

Each

246.0000

9

AN3C36A

Bolt

**

18
x m 135 310 DAS 28 9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

FG

47

101261

4

122204

2

m131367

1

m132169

40

FP001

80

m131856

1

m132381

79

OVER002

80

m133916

80

ST347

39

m132522

39

AN3C35A

Purchased

No

110

Each

47.0000

3

AN3C35A

Bolt

**

6
x m 133694 DAS 28 9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

FG

4

18914

4

ST347

43

M132317

18

M133694

25

AUG 11 2016

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DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐																						
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐																						
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐																						
Large Fab ☐	Composite ☐	Supplier ☐																							
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval																		
Description Work Order Deviation				Disposition				* Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval																	
Root Cause		FAULT CATEGORY																							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐	OTHER : _____																			

Picklist Print

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Page 12

Work Order ID: 147349

147349

Parent Item: K642-512

K642-512

Parent Item Name: Saddle

Start Date: 6/1/2016

Required Date: 6/8/2016

Start Qty: 2.00

Required Qty: 2.00

NAS1149C0332R \

Purchased

No

110

Each

4,461.000

24

48

NAS1149C0332R

WASHER

**

PC

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

FP001

1346

m132930

1004

m134073

128

m134574

214

GA

141

m133284

141

ST266

2974

m134654

14

m134736

1960

m134962

1000

48

D3672-1

Manufactured

No

110

Each

590.0000

24

48

D3672-1

Washer, Phenolic

**

48

X B147677

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

FG

10

85222

10

FP001

38

112218

38

ST049

42

127322

42

ST051A

500

134785

500

D3396-3

Manufactured

No

110

Each

16.0000

24

48

D3396-3

Bushings

**

48

X B147439

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST034

16

132598

16

Wednesday, June 08, 2016 2:57:28 PM

Shop Packet Print

Page 12

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					

Root Cause			FAULT CATEGORY					
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐			
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐			
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐			
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐			
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐			
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐			
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐			
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐			
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐			
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐			
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : ☐						
Misidentified ☐	Past Due ☐							

Picklist Print

Wednesday, June 08, 2016 2:57:28 PM

Page 13

Work Order ID: 147349

147349

Parent Item: K642-512

K642-512

Parent Item Name: Saddle

Start Date: 6/1/2016

Required Date: 6/8/2016

Start Qty: 2.00

Required Qty: 2.00

AN5C35A
AN5C35A
Bolt

DAS
27
9-89

Purchased No

110 Each

61.0000

1 2

**

PC DAS
28
9-89

Location

Loc Qty

Loc Code

ST336

61

M129871

61

110 Each

19.0000

1 2

**

PC DAS
28
9-89

AN5C15A
AN5C15A
Bolt

DAS
27
9-89

Purchased No

Location

Loc Qty

Loc Code

ST337

19

M130466

19

110 Each

123.0000

2 4

**

PC DAS
28
9-89

AN5C32A
AN5C32A
BOLT

DAS
27
9-89

Purchased No

Location

Loc Qty

Loc Code

FG

4

18918

4

over004

100

131650

100

ST336

19

m132102

19

4

AUG 08 2016

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																																																	
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Root Cause				FAULT CATEGORY																																																																					
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OTHER : _____																																																																									

Picklist Print

Wednesday, June 08, 2016 2:57:28 PM

Work Order ID: 147349

147349

Parent Item: K642-512

K642-512

Parent Item Name: Saddle

Start Date: 6/1/2016

Required Date: 6/8/2016

Start Qty: 2.00

Required Qty: 2.00

MS21043-5

Purchased

No

110

Each

160.0000

MS21043-5

Nut

** 4 8 X M 135157 PC ^{DAS 28 9-89}

DAS
27
9-89

Location

Loc Qty

Loc Code

FG	20	
101418	20	
GA	76	
116548	76	
ST302	64	
m132382	9	
m134502	55	

AUG 09 2016

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
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Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

4.7 206L/L-1/L-3/L-4/407 HIGH GEAR FLOAT SKIDTUBES (TRI-BAG COMPATIBLE)

ITEM	QTY -511	QTY -512	QTY -515	QTY -516	QTY -541	QTY -557	QTY -549	QTY -551	QTY -013	PART NUMBER	DESCRIPTION
	X									D206-642-511	SKIDTUBE INSTALLATION, LH
		X								D206-642-512	SKIDTUBE INSTALLATION, RH
			X							D206-642-515	SKIDTUBE INSTALLATION, LH
				X						D206-642-516	SKIDTUBE INSTALLATION, RH
1	1	1			X					D206-642-541	SKIDTUBE
						X				D206-642-557	WEARSHOE KIT (REPLACES -547 KIT)
							X			D206-642-549	RUN-ON LANDING WEARPLATE KIT
			1	1				X		D206-642-551	SKIDTUBE
1	1	1	1	1					X	D206-648-013	GROUND HANDLING KIT
1					1					D3274-041	SKIDTUBE ASSEMBLY
1								1		D4362-041	SKIDTUBE ASSEMBLY
3					1			1		D2646	* AFT CAP ⁽¹⁾
4					2			2		AN3C4A	* BOLT ⁽¹⁾
5A					2			2		NAS1149C0332R	* WASHER ⁽¹⁾ (OR AN960C10L)
5B					2			2		D3672-1	* WASHER (REPLACES NAS1515H3L) ⁽¹⁾
6	1		1							D2932-1	SADDLE, FWD OUT, LH
6		1		1						D2932-2	SADDLE, FWD OUT, RH
7	1		1							D2933-1	SADDLE, FWD IN, LH
7		1		1						D2933-2	SADDLE, FWD IN, RH
8	1		1							D2938-1	SADDLE, AFT OUT, LH
8		1		1						D2938-2	SADDLE, AFT OUT, RH
9	1		1							D2939-1	SADDLE, AFT IN, LH
9		1		1						D2939-2	SADDLE, AFT IN, RH
10	8	8	8	8						AN3C41A	BOLT
11	16	16	16	16						D2652	BUSHING
12A	8	8	8	8						MS21043-3	NUT
12B	16	16	16	16						D3672-7	WASHER (REPLACES NAS1515H5)
13	4	4	4	4						AN5C11A (or AN5C12A)	BOLT ⁽²⁾
14	4	4	4	4						AN5C11A (or AN5C13A)	BOLT ⁽²⁾
15A	8	8	8	8						NAS1149C0532R	WASHER (OR AN960C516L)
15B	8	8	8	8						D3672-7	WASHER (REPLACES NAS1515H5L)
16	12	12	12	12						AN4C6A	BOLT
17A	24	24	24	24						D3672-3	WASHER (REPLACES NAS1515H4L)
17B	24	24	24	24						NAS1149C0432R	WASHER (OR AN960C416L)
18	12	12	12	12						MS21043-4	NUT
20A					9	9				D3537-1	* WEARPAD ⁽¹⁾ (REPLACES D2648-3)
21A					1	1				D3537-3	* WEARPAD ⁽¹⁾ (REPLACES D3429-1)
22A					1	1				D4956-15	* WEARSHOE ⁽¹⁾ (REPLACES D3535-15 + D3536-15)
23A					1	1				D4956-23	* WEARSHOE ⁽¹⁾ (REPLACES D3535-23 + D3536-23)
24A					1	1				D4956-39	* WEARSHOE ⁽¹⁾ (REPLACES D3535-39 + D3536-39)
25A					1	1				D4956-35	* WEARSHOE ⁽¹⁾ (REPLACES D3535-35 + D3536-35)
26A			8	8	78	78	8			AN3C4A	* BOLT ⁽¹⁾
26B			8	8	78	78	8			NAS1149C0332R	* WASHER ⁽¹⁾ (OR AN960C10L)
26C			8	8	78		8			ALS7-1032-130	* INSERT ⁽¹⁾ (or AKS4-1032-130, ALS4-1032-130, AELS-1032-130)
30	1	1	1	1						D3407-043	TOW RING
32A	1	1	1	1						D3456-1	WASHER
32B	2	2	2	2						D3457-1	WASHER
33	1	1	1	1						MS21043-4	NUT
34			1	1	1					AN4C5A	BOLT
35			1	1	1					NAS1149C0463R	WASHER (OR AN960C416)
36			1	1	1					D3413-1	RING
37	10	10	10	10						D2712	SET SCREW
38	2	2	2	2						D2934	SADDLE SPACER
39	2	2	2	2						D2935	SADDLE SPACER

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Revision: Q

Date: 13.08.12

ITEM	QTY -511	QTY -512	QTY -515	QTY -516	QTY -541	QTY -557	QTY -549	QTY -551	QTY -013	PART NUMBER	DESCRIPTION
40									2	D3414-041	LUG ASSEMBLY (GHW)
41									4	AN3C37A	BOLT
42									8	D2652	BUSHING
43									4	MS21043-3	NUT
44									4	NAS1149C0363R	WASHER (OR AN960C10)
50	9	9	3	3						AN3C36A	BOLT
51	3	3	3	3						AN3C35A	BOLT
52	24	24	12	12						NAS1149C0332R	WASHER (OR AN960C10L)
53	24	24	12	12						D3672-1	WASHER (REPLACES NAS1515H3L)
54	12	12	6	6						MS21043-3	NUT
55	2	2	2	2						D3396-3	SPACER
56A	1	1	1	1						AN5C35A	BOLT
56B	1	1	1	1						AN5C15A	BOLT
60	2	2	2	2						AN5C32A	BOLT
61	2	2	2	2						AN5C34A	BOLT
62	4	4	4	4						MS21043-5	NUT
80							1	1		D4368-041	FWD WEARPLATE ASSY
81							1	1		D4368-043	AFT WEARPLATE ASSY
82A							1	1		D4383-1	WEARPAD
82B							1	1		D4383-3	WEARPAD
83							20	20		D3873-3	BUSHING
84								24		D3411-3	WASHER
85							2			D3275-1	SPACER
86A							6	6		AN3C40A	BOLT
86B							2	2		AN3C37A	BOLT
86C							2	2		AN3C36A	BOLT
87							10	10		MS21043-3	NUT

NOTES: (1) DENOTES THAT PART IS INCLUDED WITH D3274-041 OR D4362-041 ASSEMBLY ABOVE
 (2) CHOICE OF BOLT WILL DEPEND ON CROSSTUBE (SEE INSTALLATION PROCEDURE)

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